

III. CLAIM AMENDMENTS

Please amend the claims as indicated in the following listing:

1. (currently amended) A method for printing a document using a computer connected to a plurality of printers comprising:
 - queuing a plurality of documents in a priority queue;
 - determining ~~the~~ a user-assigned priority of each of the plurality of documents;
 - responsive to a determination that one of the plurality of documents is a high priority document, interrupting the printing of another document; and
 - printing the high priority document.
2. (original) The method of claim 1 further comprising: resuming the printing of the suspended document after the high priority document has printed.
3. (original) The method of claim 1 further comprising:
 - analyzing a metadata in a plurality of document pages to determine a required printer type, the plurality of document pages being from one of the plurality of documents;
 - separating each of the plurality of document pages into a plurality of print jobs based on the required printer type for each document page;
 - selecting an appropriate printer for each of the plurality of print jobs; and
 - printing the plurality of print jobs on the appropriate printers.
4. (original) The method of claim 3 further comprising:
 - reassembling the plurality of printed print jobs to produce a finished document.
5. (original) The method of claim 3 further comprising:
 - distributing one of the plurality of document pages to a specific printer holding queue; and

wherein the required printer for the distributed document page is a specific printer.

6. (original) The method of claim 5 wherein the specific printer is a printer containing letterhead.

7. (original) The method of claim 5 wherein the specific printer is a photographic printer.

8. (original) The method of claim 3 further comprising:

distributing one of the plurality of document pages to a color printer holding queue;

and

wherein the required printer for the distributed document page is a color printer.

9. (original) The method of claim 3 further comprising:

distributing one of the plurality of document pages to a black/white printer holding queue; and

wherein the required printer for the distributed document page is a black/white printer.

10. (original) The method of claim 3 further comprising:

comparing each print job to a printer page threshold; and

responsive to a determination that the number of document pages in the print job exceeds the printer page threshold, separating print job into a plurality of print jobs.

11. (original) The method of claim 3 wherein the selecting step further comprises:

calculating the time until the printers are available; and

sending the print job to the first available printer.

12. (original) The method of claim 3 wherein the selecting step further comprises:

calculating the time required for the print jobs to print; and

sending the print jobs to the printer with the lowest calculated time required to print the print job.

13. (original) The method of claim 3 wherein the selecting step further comprises:

ranking the printers based on the time until the printers are available; and
assigning the print jobs to the printers based on the printer ranking.

14. (original) The method of claim 3 wherein the selecting step further comprises:

ranking the printers based on the time required for the print jobs to print; and
assigning the print jobs to the printers based on the printer ranking.

15. (original) The method of claim 3 further comprising:

printing a control page with each print job; and
wherein the control page contains printed instructions for reassembling the document.

16. (original) The method of claim 3 wherein the appropriate printer is determined using a print farm profile.

17. (currently amended) A program product operable on a computer, the program product comprising:

a computer-usable readable medium;

a computer program stored in the computer readable-medium;

wherein the computer-usable readable medium, so configured by the computer
program, causes a computer to perform the following -comprises instructions-
comprising steps:

instructions for queuing a plurality of documents in a priority queue;

~~instructions for determining the a~~ priority of each of the plurality of documents;

responsive to a determination that one of the plurality of documents is a high priority document, ~~instructions for interrupting the printing of another document; and~~
~~instructions for printing the high priority document.~~

18. (currently amended) The program product of claim 17 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the further step of: comprising: instructions for resuming the printing of the suspended document after the high priority document has printed.

19. (currently amended) The program product of claim 17 ~~further comprising~~ wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following steps:

~~instructions for analyzing a metadata in a plurality of document pages to determine a~~ required printer type, the plurality of document pages being from one of the plurality of documents;

~~instructions for separating each of the plurality of document pages into a plurality of~~ print jobs based on the required printer type for each document page;

~~instructions for selecting an appropriate printer for each of the plurality of print jobs;~~
and

~~instructions for printing the plurality of print jobs on the appropriate printers.~~

20. (currently amended) The program product of claim 19 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following step~~further comprising:~~

~~instructions for reassembling the plurality of printed print jobs to produce a finished~~
document.

21. (currently amended) The program product of claim 19 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following further comprising step:

~~instructions for distributing one of the plurality of document pages to a specific~~
printer holding queue; and

wherein the required printer for the distributed document page is a specific printer.

22. (original) The program product of claim 21 wherein the specific printer is a printer containing letterhead.

23. (original) The program product of claim 21 wherein the specific printer is a photographic printer.

24. (currently amended) The program product of claim 19 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following further comprising step:

~~instructions for distributing one of the plurality of document pages to a color printer~~
holding queue; and

wherein the required printer for the distributed document page is a color printer.

25. (currently amended) The program product of claim 19 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following further comprising step:

~~instructions for distributing one of the plurality of document pages to a black/white~~
printer holding queue; and

wherein the required printer for the distributed document page is a black/white printer.

26. (currently amended) The program product of claim 19 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following further comprising steps:

~~instructions for comparing each print job to a printer page threshold; and~~

responsive to a determination that the number of document pages in the print job exceeds the printer page threshold, ~~instructions for separating print job into a plurality of print jobs.~~

27. (currently amended) The program product of claim 19 wherein the selecting step further comprises:

~~instructions for calculating the time until the printers are available; and~~

~~instructions for sending the print job to the first available printer.~~

28. (currently amended) The program product of claim 19 wherein the selecting step further comprises:

~~instructions for calculating the time required for the print jobs to print; and~~

~~instructions for sending the print jobs to the printer with the lowest calculated time required to print the print job.~~

29. (currently amended) The program product of claim 19 wherein the selecting step further comprises:

~~instructions for ranking the printers based on the time until the printers are available;~~

and

~~instructions for assigning the print jobs to the printers based on the printer ranking.~~

30. (currently amended) The program product of claim 19 wherein the selecting step further comprises:

~~instructions for ranking the printers based on the time required for the print jobs to~~
print; and

~~instructions for assigning the print jobs to the printers based on the printer ranking.~~

31. (currently amended) The program product of claim 19 wherein the computer-readable medium, so configured by the computer program, causes the computer to perform the following further comprising steps:

~~instructions for printing a control page with each print job; and~~

wherein the control page contains printed instructions for reassembling the document.

32. (original) The program product of claim 19 wherein the appropriate printer is determined using a print farm profile.

33. (currently amended) A program product operable on a computer, the program product comprising:

a computer-usable readable storage medium;

~~wherein the computer usable medium comprises instructions comprising:~~

a prioritization program;

a classification program; and

a plurality of printer programs;

wherein the prioritization program, the classification program, and the plurality of printer programs are stored in the computer-readable storage medium;

wherein the computer readable storage medium, so configured by the prioritization program causes a computer to perform the following steps:

queuing a plurality of documents in a priority queue;

determining a priority of each of the plurality of documents;

responsive to a determination that one of the plurality of documents is a high priority document, interrupting the printing of another document; and

printing the high priority document;

wherein computer readable storage medium, so configured by the classification program, causes the computer to perform the following steps:

analyzing a metadata in a plurality of document pages to determine a required printer type, the plurality of document pages being from one of the plurality of documents;

separating each of the plurality of document pages into a plurality of print jobs based on the required printer type for each document page;

selecting an appropriate printer for each of the plurality of print jobs; and

printing the plurality of print jobs on the appropriate printers. .

34. (original) The program product of claim 33 wherein the plurality of printer programs comprises a color printer program, a black/white printer program, and a specific printer program.

35. canceled

36. (currently amended) The program product of claim 35 ~~33~~ wherein the prioritization program further causes the computer to comprising: instructions for perform the step of: resuming the printing of the suspended document after the high priority document has printed.

37. canceled.

38. (currently amended) The program product of claim 3733 wherein the classification program further causes the computer to perform the step of further comprising:

~~instructions for reassembling the plurality of printed print jobs to produce a finished document.~~

39. (currently amended) The program product of claim 3733 wherein the classification program further causes the computer to perform the step of further comprising:

~~instructions for distributing one of the plurality of document pages to a specific printer holding queue; and~~

wherein the required printer for the distributed document page is a specific printer.

40. (original) The program product of claim 39 wherein the specific printer is a printer containing letterhead.

41. (original) The program product of claim 39 wherein the specific printer is a photographic printer.

42. (currently amended) The program product of claim 3733 wherein the classification program further causes the computer to perform the step of further comprising:

~~instructions for distributing one of the plurality of document pages to a color printer holding queue; and~~

wherein the required printer for the distributed document page is a color printer.

43. (currently amended) The program product of claim 373 wherein the classification program further causes the computer to perform the step of further comprising:

~~instructions for distributing one of the plurality of document pages to a black/white printer holding queue; and~~

wherein the required printer for the distributed document page is a black/white printer.

44. (currently amended) The program product of claim ~~37~~ 33 wherein the classification program further causes the computer to perform the steps of ~~further comprising:~~

~~instructions for comparing each print job to a printer page threshold; and~~
~~responsive to a determination that the number of document pages in the print job exceeds the printer page threshold, instructions for separating print job into a plurality of print jobs.~~

45. (currently amended) The program product of claim ~~37~~ 33 wherein the selecting step further comprises:

~~instructions for calculating the time until the printers are available; and~~
~~instructions for sending the print job to the first available printer.~~

46. (currently amended) The program product of claim ~~37~~ 33 wherein the selecting step further comprises:

~~instructions for calculating the time required for the print jobs to print; and~~
~~instructions for sending the print jobs to the printer with the lowest calculated time required to print the print job.~~

47. (currently amended) The program product of claim ~~37~~ 33 wherein the selecting step further comprises:

~~instructions for ranking the printers based on the time until the printers are available;~~
and
~~instructions for assigning the print jobs to the printers based on the printer ranking.~~

48.(currently amended) The program product of claim ~~37~~33 wherein the selecting step further comprises:

~~instructions for ranking the printers based on the time required for the print jobs to~~
print; and

~~instructions for assigning the print jobs to the printers based on the printer ranking.~~

49. (currently amended) The program product of claim ~~37~~33 wherein the classification program further causes the computer to perform the step of~~further comprising:~~

~~instructions for printing a control page with each print job; and~~

wherein the control page contains printed instructions for reassembling the document.

50. (currently amended) The program product of claim ~~37~~33 wherein the appropriate printer is determined using a print farm profile.